

# FOLIO

UNIVERSITY OF ALBERTA  
18 FEBRUARY 1994



## INSIDE

- CW Carry Professorship promises to be a 'riveting' experience for Geoffrey Kulak
- BARD relieves book stacks, saves stack of \$
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## CW Carry family endows Chair in Steel Structures

*Steel structures group is number one*

By Michael Robb



The Carry family, from the left: Vince Craig, Devon Craig, Roger Carry, Kathleen Carry, Roger Carry, Joanne Carry, William Carry.

The Faculty of Engineering last week announced the establishment of the CW Carry Chair in Steel Structures. Civil Engineering Professor Geoffrey Kulak will be the first CW Carry Professor in Steel Structures.

The endowed chair was established by the Carry family in memory of CW (Bill) Carry, who, along with his wife, Muriel, established CW Carry Ltd in 1945. The local company grew rapidly as a supplier and fabricator of structural steel.

Income from the endowment will fund an entry-level faculty position in steel structures, along with research, teaching, and outreach activities. "In this way, we will bring fresh ideas into the group, and still have a considerable amount of money left over for research, support of graduate students and other activities related to the chair," Dr Kulak explained. It will enhance the group's ability to advance fundamental knowledge, Dean Fred Otto added.

Carry was recognized by many of his peers in the industry as an engineer who was able to design and develop many innovative steel construction techniques—many of which are still used today.

Indeed, the Edmonton skyline stands as a testament to Carry's work. Manulife Place was built with an innovative structural steel framing system carried out by the Carry firm, and the Milner Building and Oxford Tower both reflect Carry's design work. His construction skills were also utilized on many of the province's major industrial complexes, for example, the Syncrude heavy oil facility, the Redwater petrochemical complex, and the Daishowa and ALPAC forest products plants.

Carry got into business at the right time. Following the discovery of oil in Alberta, the economy boomed. Skilled European tradesmen flooded into the province. The outbreak of the Korean War was particularly significant, since the company was one of only two

Alberta fabricators able to buy steel directly from steel mills.

In 1958, Carry sold the firm to Canadian Iron Foundries (now Canron), but stayed on as a regional vice-president and director of the company. Nine years later, Carry and his son, Roger, established CW Carry (1967) Ltd. In 1971, the company purchased the assets of CW Carry Ltd from Canron. The existing plant was built in 1974, the same year in which Carry sold the balance of his interest in the company to Roger. Carry remained as president until his death in 1992.

Dr Kulak knew Carry. "I admired him as an accomplished engineer, an astute businessman and a gentleman," he remarked last week at a celebration held to mark the establishment of the chair. "We will do our best to live up to the challenge of using it in the best way possible, and to make it reflect the accomplishments of your father."

"I believe that the steel structures group at the University of Alberta is the strongest one in this country, and it is recognized internationally," Dr Kulak said. Hugh Krentz, president of the Canadian Institute of Steel Construction, agreed, saying, "The U of A's steel structures as a group and in total is unmatched; it's number one in the country."

He also said the group has done very well in developing interaction with industry and the profession.

"When Dean Fred Otto, Laurie Kennedy (Civil Engineering), and I discussed how best to use the money that would derive from this gift, it was important to us that our strengths be maintained and improved and, in particular, that four or five years from now the steel structures group would still be healthy and vigorous," Dr Kulak explained.

President Paul Davenport said the Carry family's gift to the University of Alberta 1991 Foundation comes at a very important time. "We need to show to the community around us that we're important to that community. This kind of gift is wonderful evidence as we try to reach out to our friends in the private sector, in the community, and to the government to say, 'We're a part of this community. We've made an enormous contribution to the development of Alberta, and we're going to continue to do so in the future.'"

Roger Carry said his family has been a part of Alberta for years and that it was his father's wish to recognize the good work being done by the steel structures group at the University.

## Bears play on

Thanks to private supporters, the University of Alberta will continue to field a football team.

Chancellor and Interim Board of Governors Chair Sandy Mactaggart and President Paul Davenport last Wednesday announced the reinstatement of the previously financially troubled club.

They stated, "The University of Alberta owes an extreme debt of gratitude to the Edmonton community for the moral and financial support that has been shown for Golden Bears Football. Corporations, alumni, fans, students, and the media all worked together to make the reinstatement of the program possible."

Reinstatement of the Bears follows the successful completion by the Department of Athletics of various requirements set out by University administration. The requirements included: a commitment from the Golden Bears Football Alumni for \$50,000 a year for each of three years (1994-1996), plus a guarantee of the Alumni's commitment, and signed pledge forms which provide for \$25,000 per year support for five years from the "Friends of the Golden Bears".

It was also announced that the Brick Warehouse Corporation, headed by Bill Comrie, has guaranteed the Alumni's fundraising commitment.

The Department of Athletics has reinstated Golden Bears Football within its operating budget and made a financial commitment to the football program. However, no academic dollars will be available to the department.

Bears coach Tom Wilkinson will also act as a corporate fundraiser for both the football program and the other programs of the Department of Athletics.

## Ady cautious about infringing on institutions' autonomy

*Believes universities and colleges will be able to get through three years of cuts*

The Minister of Advanced Education and Career Development says the newly established \$47 million access fund will not discriminate against universities and favour colleges.

"We don't have all the criteria in place yet, but we don't want to see any sector advantaged and disadvantaged," the Minister told *Folio* last Friday. The University of Alberta should take some comfort in knowing that, he added. He acknowledged that employability would be only one of a number of factors the committee would consider when it awards money in the access fund to institutions which submit proposals.

At round tables, the institutions asked us to find some way of rewarding productivity and efficiency, he said. Now they have it.

He acknowledged that he has been approached by people who have concerns about the possible closure of the Faculty of Dentistry. "Ideally, we'd certainly like to see all programs that students want to access stay in place in this province."

"But that decision rests with the administration and board of this institution," he said. Are you comfortable with that? he was asked. "That's the process that's there. There is autonomy, and they've entered into what I think is a process that will allow time for all the stakeholders—particularly in the Faculty of

Continued on page 4



Minister of Advanced Education and Career Development Jack Ady



# Students worried about closure of VP's position

## Campus community begins debate on Quality First proposals

By Michael Robb

While many academics wanted to debate the merits of some of the proposals contained in the University's latest restructuring document, *Quality First*, students at the public forum last Friday wanted to know why the University was dropping the position of Vice-President (Student and Academic Services).

Vice-President Lois Stanford has been a strong voice for students, said student Yolanda Slagmolen. Now, the University has to redistribute all of her former responsibilities among the other vice-presidents. Can't the administration cut down the bureaucracy in other areas? asked Slagmolen.

President Paul Davenport said the elimination of the position was a difficult decision and represented a reduction in what can be done. The President said he concluded that the senior administration had to do its part in the overall effort. He asked students to look at the University's strategic plan and see how much of it is devoted to meeting students' needs. "We believe in those goals."

Dr Stanford said there's no doubt directors who previously reported to her will have to take on more responsibilities. The position of Dean of Students will also change considerably. Things will get done, perhaps not as quickly, she said, and perhaps they will be done differently. And it behooves us to try.

Student Sasha Krstic said that although she appreciated the reasoning behind the decision, two things could happen: student services would either be lower on the priority list of other vice-presidents, or they would continue to be given the due attention they deserve, but at the expense of other needs.

At the forum, the University's senior administrators fielded questions from students and staff. Many of the questions focused on proposals for the Faculty of Education and the way the University proposes to fund Inter-session.

History Professors Susan Smith and Andrew Gow both expressed their concerns about the *Quality First* proposal to stop paying full-time continuing faculty for teaching Inter-session and redirect the money to departments. Dr Gow suggested that if faculty are going to be required to do more teaching during the summer, it will be more difficult for them to engage in their scholarly research activities.

Vice-President (Academic) John McDonald said, "We want the same amount of teaching to go on as is currently being done, not more." Chairs should look at the possibility of Inter-session as being a place where there might be differential teaching loads. Departments will also have additional money to hire sessionals.

Educational Psychology Professors Bob Frender and Lorraine Wilgosh raised concerns about Faculty of Education proposals. Dr Wilgosh said the changes are not easy, these are stressful times and morale is down in the Faculty. "The rapidity of the changes being proposed will negate any reasoned discussion based on data," she said.

Dr Frender said it is entirely appropriate to propose that students enter the Faculty of Education after two years. But when you also say to the Faculty that you're going to have a 25 percent reduction and the same number of students... you give the Faculty no degrees of freedom to be able to restructure and remodel its BEd program, he said. Dr Frender suggested that the Faculty be given the opportunity

**"... we'll go forward in March and April to General Faculties Council and its committees, and then to the Board of Governors to decide which proposals are adopted and which are not."**

President Paul Davenport

nity to come back with its own well-considered proposals.

If people can come up with better ideas than those being proposed, we'll listen, responded Dr McDonald. The reality is there will never be enough information. But the Vice-President said some of the Faculty's graduate programs are among the best in the University, while others are not as well regarded.

Education Students' Association President Michelle Kohut said the two-plus-two proposal for Education will not satisfy students who are in the career and technology stream.

"Arts and Sciences have absolutely nothing to do with what I want to teach; I would much prefer to be with Education students when I'm taking classes."

The President said the concerns raised by Kohut get to the heart of the (Education) proposals. "We think that a grounding in the liberal arts and sciences is fundamental."

Proposals in *Quality First* are open to debate, Dr Davenport told the 72 people who attended the forum in Bernard Snell Hall. "We've got a month to get input, suggestions for revisions or retractions.

"Then, we'll go forward in March and April to General Faculties Council and its committees, and then to the Board of Governors to decide which proposals are adopted and which are not.

"The media has a tendency to assume these proposals are a *fait accompli*; that is not true."

The President reiterated that the proposals are about the long-term health of the University and are consistent with the vision, principles, and initiatives in *Degrees of Freedom*, the University's strategic plan. They do not explicitly address the 11 percent cut the University must make this fiscal year. There are three ways the University is going to address that cut: with the previously announced reductions to unit budgets; with a special focus on early retirement plans; and by seeking significant compensation reductions.

## Acting Dean of Arts backs cultural studies department

### Margaret Van de Pitte responds to Quality First

The merger of the Departments of Religious Studies and Comparative Literature and Film Studies to create a comparative cultural studies department proposed in *Quality First* is an excellent idea, says Acting Dean of Arts Margaret Van de Pitte.

"Religious Studies felt comfortable striking up an alliance with Comparative Literature," she said last week. "They got to know each other and discovered that they had a lot in common and that there were several areas in which they could work together.

"They came up with a picture of their future together that's full of promise."

The proposed merger will go before Arts Faculty Council 3 March and is expected to be approved before it is forwarded to ADC and PPC. The proposal follows a merger of the Canadian Studies Program with the Political Science Department, passed by Faculty Council earlier this year, which has now been forwarded to ADC and PPC for consideration.

Acting Dean Van de Pitte expects the other proposal in *Quality First*, the merger of the Departments of Germanic Languages, East Asian Studies, Slavic and East European Studies, and Romance Languages into a single Department of Modern Languages, to generate more debate—and possibly undergo some changes.

"We're talking to the principal players in effort to get the language departments together in some kind of pragmatic merger," she said. "At the same time, we want to allow people interested in developments in applied linguistics and language pedagogy to sketch out program collaborations around that thematic notion. Others who are interested in literary theory and cultural studies will continue to talk about possible program collaborations.

"Germanic Languages and Slavics wanted to see if they could align themselves together and see if they could survive that way, but they are both so small and so expensive to administer that it seems impossible they could do that without having more parties in the alliance."

Dr Van de Pitte said she was hopeful that the Department of Linguistics could be joined with the language departments. "That would allow for research collaborations; it would beef up the undergraduate and graduate programs; it would improve staff-student ratios; and, it would turn out students with job opportunities.

**"They came up with a picture of their future together that's full of promise."**

Acting Dean of Arts  
Margaret Van de Pitte

"None of us really feel this is going to save a lot of money; in the shortterm I think it will save very little. If you could say that there would be big savings and nobody would be treated unfairly, it would change the whole discussion." Most realize that the savings aren't going to be very impressive and where they're appreciable at all, it will be primarily in terms of support staff.

The Acting Dean also pointed out that the departments are really little families. "We all have a sense of how incredibly dislocating this is," she said, "but it seems that social and cultural factors are discounted."

The Acting Dean said, "I think we all would have felt better about this if they had skipped the *Quality First* rhetoric. That made people quite cynical, to begin by saying it's about quality and doesn't have anything to do

with an 11 percent budget cut. We shouldn't kid ourselves... and we know to what extent this is driven by economic considerations."

Some of the other proposals in *Quality First*, if approved, will have an impact on the Faculty of Arts. For example, the program changes in Education could mean larger class sizes in Arts, she warned.

"We fear it could affect us enormously. What we're deeply afraid of is that we will be doing more service teaching for Education, Nursing and Business, and that we will be expected to do it on the cheap. All the achievements of the last six or seven years to reallocate resources to Arts and Science will be lost. Arts and Science will have a huge hidden tax and it will cost us in quality."

She said few believe that the provincial government's program can be carried out without permanent compromise of quality. The restructuring proposals certainly raise in an unambiguous fashion the correlation between numbers and quality, she said.

She contends that the discussion about quality and accessibility in *Degrees of Freedom* is a bit hollow. The strategic plan says they are contingent on adequate funding. "We're not going to have adequate funding, but we're still trying to stick with the rhetoric of quality and accessibility. None of us believe it," she said, pointing out that this, too, is an area where talking more pragmatically and frankly would be appreciated.

Dr Van de Pitte welcomed the proposals dealing with administration. We have to figure out how we can do a lot less administering, she said, suggesting that the campus community should sit down together and think about how administrative services are being delivered across Faculties. The proposal to consolidate registrarial functions is very much in the right direction, for example.

## FOLIO

### Volume 31 Number 24

OFFICE OF PUBLIC AFFAIRS,  
423 ATHABASCA HALL  
UNIVERSITY OF ALBERTA, EDMONTON,  
ALBERTA T6G 2E8  
TEL: (403) 492-2325 FAX: 492-2997  
PROFS - ZZOPA

All enquiries and correspondence should be directed to:  
RON THOMAS: EDITOR  
MICHAEL ROBB: ASSISTANT EDITOR

#### CONTRIBUTORS:

Judy Goldsand  
Sandra Halme  
Tony Myers  
Janet Resta  
Elsa Roehr

Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.

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University  
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# Book And Record Depository (BARD) officially opens

'Eastpoint' \$3 million solution to \$70 million problem

By Elsa Roehr

With the University's libraries full to overflowing, it was becoming impossible to make room for new acquisitions. A new library building was the U of A's number one capital budget priority for years, and for years there was no money. Costs kept rising. Today a new library building would cost upwards of \$70 million ... money the University doesn't have.

The University had a serious problem: should it stop buying new materials, or start throwing out old volumes—about a million over the next decade—to make room? Instead, the University solved the problem for less than \$3 million.

The University's new Book And Record Depository (BARD) was officially opened last Wednesday at a ribbon-cutting ceremony by President Paul Davenport and the Honourable Jack Ady, Minister of Advanced Education and Career Development.

"We are delighted by the collaboration and cooperation which led to this innovative solution for affordable book storage space," the President said.

BARD is located in the former IKEA warehouse at 50 Street and Sherwood Park Freeway, seven km from the main campus, half that from the Faculté Saint-Jean. But that doesn't mean problems with access. BARD has one of the most advanced electronic book delivery and retrieval systems in the world, including a link to INTERNET. Requests can be made at any campus library for guaranteed 24-hour delivery on books, faster for a faxed copy of a journal article. If material is needed more quickly, BARD will be open weekdays

during regular office hours. There is plenty of free parking, a 25-person reading room, photocopyers, and the site is served by the #45 bus.

"If we hadn't been able to find a solution, such as BARD, we would not have been able to continue to collect, because we had no place to put anything," said Ernie Ingles, Chief Librarian and Director of Libraries. But he noted that older works are equally important for an active research and teaching university. "We have a responsibility to preserve these collections for generations down the road," he said.

Preservation is among BARD's key features. Some works are fragile because they are old. But many modern works are also in danger, because they are often printed on unstable paper. "Passive preservation"—storage in a clean, dark and cool environment—can greatly extend the life expectancy of paper.

Modelled on the Harvard Archives Depository, BARD features state-of-the-art climate control that is monitored around the clock. The facility is pressurized to minimize entry of external contaminants. Paint, other building materials and storage boxes are certified "acid-free" (minimum pH 7.5).

Light fixtures are equipped with low-UV lamps and covered with filters to eliminate ultraviolet light. Smoke alarms, heat and moisture sensors, intrusion alarms and a dry-pipe sprinkler system guard against fire, flood and theft.

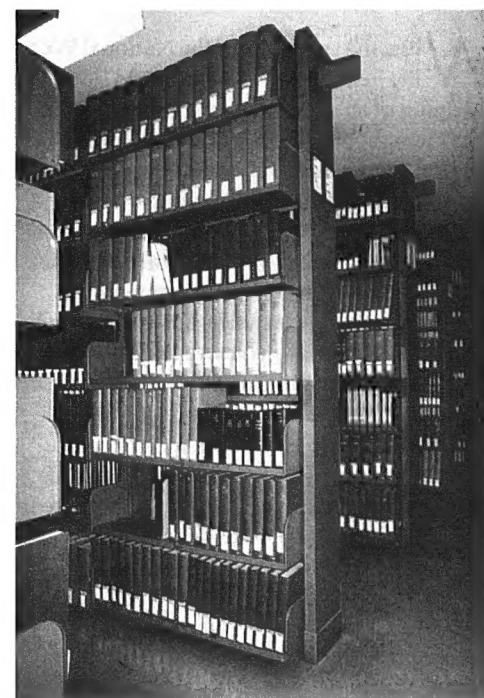
Thirty miles of over-sized shelving can store 3.2 million books and journals and about five miles of archival materials. With microfilm, even more text will be stored. Books are sorted by size, tracked by barcode and re-

trieved with an operator-aboard electric lift vehicle.

Because of its capacity, BARD is inviting other overcrowded academic and government libraries to share space on a resource-sharing and cost-recovery basis. This will concentrate some of western Canada's intellectual resources at BARD for greater research access and preservation.

Only endangered texts will be stored on microfilm or scanned and stored electronically. At 25 cents per page, optically scanning the entire collection would have cost about \$262.5 million, not including GST, with no guarantee the electronic information won't be lost. In contrast, BARD cost only \$2.9 million and is designed to serve the University for 30 years. Renovations to the warehouse building cost \$1.35 million. Another \$700,000 was spent on shelving and retrieval systems; \$650,000 on fixtures, fittings, furnishings, fees and commissions; and \$200,000 on renovations to the Cameron Library because of BARD. At full capacity, the annual cost of storage, staffing, rent and maintenance will cost about 10 cents per volume.

Moving books, journals and archives in lowest demand to BARD not only makes more room on campus for new books, but for people, too. About 700 study spaces were lost as libraries stacked books in every available corner. For example, two-thirds of the elegant Periodical Reading Room at Rutherford South were lost to stacks of books. These areas can now be reclaimed for study, and on-campus libraries will finally be restored to their original design limits.

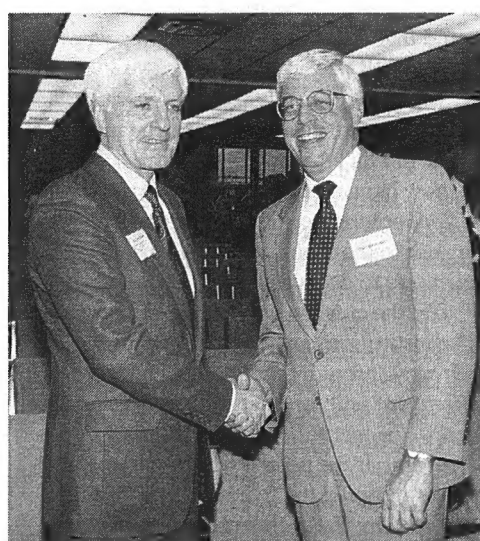


The Periodical Reading Room at Rutherford South is now two-thirds full of stacks of books. As these are moved to BARD, the grand old room will once again be fully devoted to reading and study space.

President Davenport has called BARD the "\$3 million solution to a \$70 million problem." BARD has averted the loss of a million volumes of text, made room for the latest materials and freed up space for study. In these terms, BARD's value goes far beyond its cost.

## From roller coasters to railway bridges

CW Carry Professor probes fatigue of steel



Geoffrey Kulak, CW Carry Professor in Steel Structures, left, and President Paul Davenport

At the turn of the century, ribbons of steel were laid down across Canada at an extraordinary pace. Railways expanded rapidly, and hundreds of bridges were built using rivets.

"Now, the railways have a big problem on their hands," CW Carry Professor in Steel Structures Geoffrey Kulak says. "Since nobody has used rivets in new construction for a long time, there has been almost no research done on this type of fastener."

"The main concern is fatigue, which is the cracking of steel elements under repetitive loading. The few data that we have suggest that, on a theoretical basis, the fatigue life of many existing riveted railway bridges has been exhausted."

"Anyone who reads the papers these days understands that the railways do not have the resources to start replacing hundreds and hundreds of their bridges."

"They cannot compromise safety, however, and they badly need better information about the remaining fatigue life of their structures."

Under the sponsorship of CN North America, Dr Kulak is spearheading research that addresses this situation.

He and a research team measured the actual stresses in place on a bridge built with rivets near Jasper. Then the bridge was dismantled and fullsize members were brought to a U of A laboratory where they are undergoing fatigue life tests. "These results, along with those from a companion study at a US university, will be of great economic importance to all railroads," the Civil Engineering professor predicts.

"Most of what we know today has developed relatively recently, since the 1970s, and practically all of that research has been done on welded or bolted steel structures, because that's how bridges are built these days," says Dr Kulak.

Dr Kulak, one of a number of researchers in the steel structures research group here at the U of A, has spent his career studying bolted and welded connections, stability of large structural steel members, and fatigue strength of structural steel members and drill pipe.

Knowing of his expertise, the provincial government asked him serve as a co-panelist for a public inquiry into the tragic 1986 deaths

of three people on the roller coaster at West Edmonton Mall.

Dr Kulak is the author or co-author of more than 70 technical publications, five books, and chapters in two other books. He is the co-author of the principal North American source book for technical information on the behaviour of high-strength bolts in structural steelwork.

The Department of Civil Engineering awarded Dr Kulak its "best teacher" award and he has been the Faculty's nominee for the Rutherford Award for Undergraduate Teaching. Dr Kulak points out, "The undergraduate program has always been extremely important to us [the steel structures group]. It must not suffer because of our attention to research and graduate studies. Indeed, it should flourish because of good teachers, teachers who are closely connected to their subject material and who are knowledgeable of the state-of-the-art in their area."

Dr Kulak's other research interests include the development of a steel plate shear wall system, used in buildings to resist winds and earthquakes, and fatigue of drill pipe. "A drill pipe that twists off 3,000 metres below the surface as a result of fatigue is an expensive proposition," he points out.

"The models and supporting analytical studies developed here will enable better predictions of remaining fatigue life to be made so that such failures can be avoided."

Dr Kulak earned his BSc in Civil Engineering from the U of A in 1958, his MS from the University of Illinois in 1961, and his PhD from Lehigh University in 1967.

## CURRENTS



### 'Gophering through the CWIS'

A hands-on introduction to the Internet, titled "Gophering through the CWIS", will be offered in the Cameron Microlab, room 1-20G on the main floor of Cameron Library, Monday, 28 February, 11 am to 12:30 pm.

The pilot session is limited to 28 participants and is designed for faculty holding Unix accounts. Material covered will include navigating Gopher menus, saving files, searching lengthy text documents, and use of the Gopher information search engine "Veronica."

To register, call Sandy Adams at 492-5999, or, e-mail via PROFS to SADAMS@vm.ucs.ualberta.ca

### Medical Research Council open forum

An open forum on the MRC Strategic Plan Advisory Committee's recommendations and how they affect researchers is scheduled for Monday, 28 February, at 1:30 pm in Classroom D, 2F1.04 Mackenzie Health Sciences Centre.

MRC Regional Director Joel Weiner invites people to "take the opportunity to discuss your thoughts about the Strategic Plan; the Interim Advisory Committee Reports [available in his office]; the Committee structure; our representation on grant review panels; future initiatives and your perceptions of the MRC or anything else about MRC that concerns you."

### Political Science book sale

The Department of Political Science book sale will be held 2 and 3 March from 9 am to 4 pm in HUB Mall, north end. Bargains from 10 cents to \$5.



# Prominent environmentalist thanks alma mater

President of National Wildlife Federation earned his PhD at U of A

By Michael Robb

When the president of the National Wildlife Federation's nine-year-old daughter lay dying of an extremely rare form of cancer, T-cell lymphoma, doctors at Duke University Medical Center held out one last hope. They told her father: "We can give your daughter a new experimental drug. The drug is very toxic. We don't know what the drug will do. In fact, it may kill her. What do you want to do?"

"That's a hell of a choice, but it's not really a hard choice because you want to do everything you can to save that child's life," Jay Hair explained to a capacity audience of science students and people from the wider community last Friday. "The good news is that that daughter is 19 years old today, a sophomore in college and totally cured of her cancer."

The bad news is that the African plant's habitat, from which the drug is made, is being threatened, says Jay Hair, who was recently elected president of the World Conservation Union. Ninety percent of that particular country's forested habitat is also gone.

"That [example] is all you really need to know about why we need to save wild places and wild things," says Dr Hair, who earned his PhD at the University of Alberta in 1975 under the supervision of Zoology Professor John Holmes.

Of the four very influential people in his life, Dr Holmes was without a doubt the most influential, he says. Dr Hair's mother nurtured his love of nature; an outstanding biology teacher cultivated that love; and a master's degree advisor at Clemson University in South Carolina taught him well. The Clemson professor also advised Dr Hair to go to the University of Alberta to earn his PhD.

But why the U of A? Hair asked. "Quite frankly, the University of Alberta is the best place to go in the world [in your area]. John Holmes is there," was the reply.

"This was the place that certified me to go out into the world and make my contribution," Dr Hair says. Shortly after leaving the U of A, he started a fairly traditional academic research career at the North Carolina State University and Clemson University. After eight

years, he decided to enter the world of environmental advocacy.

Today Dr Hair leads the largest nongovernmental environmental organization in the world with approximately five million members and supporters, a staff of 700 and an annual operating budget of \$100 million. NWF conducts extensive environmental education, publications and advocacy program activities.

Nevertheless, Dr Hair was apprehensive about returning to his alma mater after a decade and a half in the forefront of environmental advocacy. "I wasn't quite sure how I'd measure up. The people here invested a lot in me as a biologist and research scientist. I felt that perhaps I let them down, because I wanted to do something else with my life."

"I wanted to take good science and make better public policy."

"I wanted to come back and deliver a very simple message: My sincere and humble

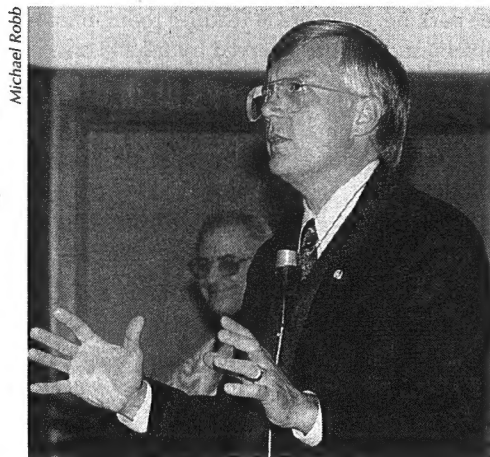
**"I cannot tell you the number of times the intellectual discipline I learned here has served me in so many ways."**

*National Wildlife Federation President Jay Hair*

thanks for the opportunity to be a student at the University of Alberta. I cannot tell you the number of times the intellectual discipline I learned here has served me in so many ways."

Dr Holmes says he's been fortunate to have had a great number of good students who have done quite well, "but the most illustrious of these is Jay Hair." Dr Hair completed his thesis on the ecology of wildfowl parasites.

Dr Hair's connections with Canada were not severed in 1975, however. His first testimony before the United States Congress was on acid rain in 1981. The NWF opposed the oil and gas industry's proposals to develop areas that would have adversely affected the Porcupine caribou herd. The NWF has been



National Wildlife Federation President Jay Hair addresses U of A students, while former thesis advisor John Holmes listens.

active in preserving the Tatenshini and Alsek River systems.

How do we save wild spaces and wild things? First, says Dr Hair, the world has to pursue environmentally sustainable development. "We have no right to take actions to deny future generations of their fair and equitable share of a healthy and wholesome environment. It's arrogant and it's wrong."

Second, the world needs to implement a comprehensive survey of flora and fauna. "If we can invest billions of dollars in armaments to destroy the world, can't we invest millions of dollars to understand the other lifeforms that we live with?"

And third, people need to insist that public policies are grounded in science, and that science has to ask the right kinds of questions, he says.

Dr Hair, a vocal critic of the Reagan and Bush administrations' environmental policies, has a few powerful allies in the current administration, and was recently named a member of President Bill Clinton's Council on Sustainable Development.

## RETIREMENT PLANNING SEMINARS FOR ACADEMIC STAFF

18-21 APRIL 1994

The Office of the Vice-President (Academic) and the Association of Academic Staff of the University of Alberta (AAS:UA) invite members of the AAS:UA and their spouses to attend a two-day retirement planning seminar. Each of the two seminars will address keys to successful planning, financial planning and lifestyle considerations.

### Seminar 1

18 April, 2:30 - 5:00 and 7:00 - 10:00  
19 April, 8:30 - noon and 1:00 - 4:30

### Seminar 2

20 April, 2:30 - 5:00 and 7:00 - 10:00  
21 April, 8:30 - noon and 1:00 - 4:30

The seminars will be held in the Stollery Centre, 5th Floor, Business Building. There is no charge; coffee and lunches will be provided.

Enrollment is limited and will be on a first-come, first-served basis. If you are interested in attending, call Lori Callahan at 492-5321. Deadline for registration is 10 March 1994.

## Thousands of students to catch 'Preview 1994'

More than 6,000 Alberta high school students are expected for the University of Alberta's major recruitment event of the year, Preview 1994, 24 and 25 February.

Formerly known as University Orientation Days, Preview 1994 gives perspective students a inside view of University life, both in the classroom and residence.

Organized by the Registrar's Office, the University has been "previewing" for more than a decade. Students who know what they want or who are interested in exploring several different subject areas can choose from some 50 different Faculty or departmental presentations each day. Also, more than 80 displays will give visitors an opportunity for first-hand knowledge of the myriad programs offered by the University.

Counsellors and parents are invited to join the students in familiarizing themselves with the campus.

Preview 1994 Coordinator Lorna Arndt points out that although the focal point of the two days are Faculty and departmental displays in CAB, the main floor of SUB will be used this year for the first time as a display area for service-oriented groups, such as Hous-

ing and Food Services, Campus Security Services, and Student Services. "Using SUB has given us more flexibility in planning the event," says Arndt. "It also gives the students a chance to showcase their newly renovated building."

In addition to viewing displays and talking with professors in areas of interest to them, visiting students can take tours. Students from SORSE (Student Orientation Services) volunteer as campus ambassadors to conduct tours of not only the main campus, but Faculté Saint-Jean and residences as well.

During each noon hour, the Registrar's Office will host a luncheon for students from across the province who applied for an academic excellence scholarship. "We want to attract the best and brightest to the University. The invitation to the luncheon shows these students that we made a special effort for them and are available to answer any questions they may have," Arndt says.

Some student groups from out of town combine Preview 1994 with a general education tour of Edmonton and area. Some stay in the limited space available in Lister Hall while others take advantage of the special accommodation rates at nearby hotels.

## Ady Continued from page 1

Dentistry—to make their case, prior to making a decision. It's out there for discussion for a month."

Asked whether he thought there was enough cooperation among postsecondary institutions? Ady said, "I certainly hope that over the next short time we're going to see more cooperation and collaboration among institutions to rationalize what they do. That will bring about increased efficiency and productivity—all with the view of serving the students."

The Minister said he was very reluctant to include proposals for reducing duplication of programming in the province in the draft white paper. "I think it needs to be a very open and unprejudiced process," he said, and it will only put the issues on the table for discussion.

As for tuition, Ady said, "It wouldn't be my intention to remove the cap. It's subject to review, and it will be reviewed over the next few months. We want to find the balance. How much should the student pay? What's fair for the taxpayer to subsidize? We plan to make it part of the draft white paper."

"It'll be debated by the stakeholders and the public. We'll include it in the final white paper in the spring. We hope to have it resolved in the first half of 1994."

The Minister said Albertans are polarized on the issue of foreign student fees. The public wants full cost recovery, students are split on the issue, and the institutions—by and large—are not in favour of full cost recovery. Asked whether the public really understands the issue, Ady responded: "It's always hard to communicate the whole story on any issue to everyone. That's why it will be in the draft white paper." He indicated that the discussion will be informative.

Asked whether in the absence of tough decisions being made by institutions, Advanced Education would have to make some of those decisions, the Minister said, "I really believe that institutions were actually waiting for our three-year business plan, so they would then know exactly what they were dealing with."

"They told us, 'Give us a three-year plan and we'll make decisions that need to be made. Tell us what we have to work with.' We now have that information on the table," he said, pointing out that the cuts were not a surprise to them and that they're looking at new ways to do things.

Are the cuts too much too fast? Ady said, "The institutions are going to be able to find their way through this. Six percent of the 21 percent cut will flow back through the access fund to the institutions. That brings it down to 15 percent. If the people working in the institutions accepted the five percent rollback requested by the Premier that would equate to a five percent offset."

He pointed out that allowable tuition increases would allow institutions to gain about two percent per year. "There are some givens, and if they don't fall into place, that would put some additional stress on the institutions. For example, if there's no movement towards accepting the five percent wage rollback, the institutions will have to deal with that."

In the end, the postsecondary education system will continue to be affordable and it will be more efficient, more responsive and more accountable, he said.

Will it be able to offer everything? "We export far more students than we import. It comes down to student choice."



# Suggestion program up and running

Joint initiative of administration, NASA

By Michael Robb

The University of Alberta now has a suggestion program, something that the Non-Academic Staff Association has long advocated.

According to Vice-President (Finance and Administration) Glenn Harris, the program was established to encourage staff and students to bring forward suggestions which will: serve as a catalyst for innovative ideas; increase effectiveness and productivity; improve services provided by the University; improve procedures and methods; improve effective and efficient use of tools, equipment and technology; reduce or eliminate environmental safety hazards; improve morale by improving input and involvement; and, enhance the impact of the University in the community at large.

The program is jointly sponsored by NASA and ACAP (Advisory Committee on Administrative Performance), the committee that guides the service initiative.

"As with any organization, the University of Alberta needs to identify those areas where it can and should improve," said Harris. "Staff and students are in the best position to identify ways improvements can be made."

Everyone on campus is eligible to submit suggestions. Suggestion guidelines are available from: Office of Vice-President (Finance and Administration); Non-Academic Staff Association; Graduate Students' Association;

**"We plan to publicize the best suggestions received and recognize the people who made them."**

Vice-President (Finance and Administration) Glenn Harris

Students' Union; Personnel Services; departmental offices and Building Services offices. Program information is also available on the Campus Wide Information System.

Suggestions should be submitted to: University of Alberta, c/o Glenn Harris, Office of Vice-President (Finance and Administration). Suggestions can also be submitted through e-mail: suggest@gpu.srv.ualberta.ca.

Every suggestion will be carefully considered, says Vice-President Harris, and all suggestions received will be acknowledged. "We plan to publicize the best suggestions received and recognize the people who made them."

In submitting a suggestion, people should give their name, department, mailing address and phone number. All written suggestions must be dated and signed. People submitting suggestions should:

- State if it is a new idea or a suggestion to improve a current situation;
- If appropriate, has there been any discussion with your immediate supervisor about the suggestion?
- If this is a suggestion to improve a current situation briefly describe the current situation; and,
- Clearly describe any new idea or proposed change and benefit to the University. Be concise and attach drawings if necessary.



## ANTHROPOLOGY

18 February, 3 pm

David Scheffel, assistant professor, University College of the Cariboo, "Investigative Anthropology in Central and Eastern Europe." 14-28 Tory Building.

## ART AND DESIGN

2 March, 4 pm

Cathleen Hoeniger, Department of Art, Queen's University, "The Prestige of the Original: Early Renovations of Paintings in Italy and Modern Responses to Them." 2-20 Fine Arts Building.

## BIOCHEMISTRY

25 February, 3 pm

Miroslav Radman, Institut Jacques Monod, University of Paris VII, "Genetic Control of Homeologous Recombination." Cosponsor: Alberta Heritage Foundation for Medical Research. 2-27 Medical Sciences Building.

## CHEMICAL ENGINEERING

3 March, 3:30 pm

Trevor Parsons, "Mass Transfer from Solid to Liquid in a Rotary Drum." 342 Chemical-Mineral Engineering Building.

## CLASSICS AND PHILOSOPHY

Julia Annas, University of Arizona and Visiting Professor in Classics and Philosophy, will present the following lectures and seminars:

28 February, 3:30 pm

"Virtue Ethics." L-2 Humanities Centre.

1 March, 4 pm

"Arguments from Nature: Aristotle and After." TBL-1 Tory Lecture Theatre.

4 March, 3:30 pm

"Plato's Later Political Theory."

TB-W1 Tory Breezeway.

7 March, 3:30 pm

"Virtue Ethics." L-2 Humanities Centre.

8 March, 3:30 pm

"Virtue Ethics." L-2 Humanities Centre.

9 March, 3:30 pm

"Virtue Ethics." L-2 Humanities Centre.

10 March, 4 pm

"Reclaiming Virtue for Ethics."

L-1 Humanities Centre.

11 March, 3:30 pm

"Plato's Socrates: Philosophy and Dialogue." L-2 Humanities Centre.

## COMPUTING SCIENCE

28 February, 3:30 pm

Robert S Boyer, University of Texas at Austin, "On Automated Reasoning and its Application to Proving Theorems About Software and Hardware." 2104 Dentistry-Pharmacy Centre.

## ECHO HEALTHCARE FORUM

3 March, 7 pm

Norah Keating, Tricia Marck, Susan McDaniel, Corry Morcos and Richard Plain, "Shifting Healthcare to the Home: A Women's Issue?" Admission is free, but advance tickets are required. Tickets available from the University of Alberta Hospitals information desks. Information: 492-1644. Bernard Snell Hall, Mackenzie Health Sciences Centre.

## EIGHTEENTH CENTURY STUDIES GROUP

2 March, 4:30 pm

Forum on "Communication in the Eighteenth Century: The Novel and the Print," with speakers Anne-Marie Link and Juliet McMaster. 326 Arts Building.

## ENTOMOLOGY

3 March, 4 pm

Carole Challoner, "The White of Their Eyes: A Characterization of the White Eye Colour Mutant in the Tsetse Fly, *Glossina morsitans* *submorsitans* Newstead (Diptera: Muscidae)." TB-W1 Tory Breezeway.

## FACULTÉ SAINT-JEAN

4 mars, 8h30-18h30

Journee Du Savoir de l'ACFAS - Alberta et de l'Institut de recherche de la Faculté Saint-Jean. Quatorze communications en sciences humaines, naturelles et sociales. Conférencière invitée: Maître Bartha Maria Knoppers, "Le Droit face aux nouvelles technologies en génétique." Renseignements: Frank McMahon ou Laurent Godbout au 465-8700.

## FOREST SCIENCE

2 March, noon

Stan Navratil, Natural Resources Canada, "Substained Productivity of Aspen on Hardwood and Mixedwood Sites." 821 General Services Building.

## GEOGRAPHY

4 March, 3 pm

Larry Bourne, Department of Geography, University of Toronto, "Life on the Edge: Challenges and Opportunities for Geographical Research." 3-36 Tory Building.

## HUMAN ECOLOGY

1 March, 3:30 pm

Anne Bagan, Don Bagan, Carla Costuros, Reiner Lowan, Amy Luke Lowan, Brenda Malkinson and Ron Wigglesworth, "Envisioning the Environment: Artists' Views of the Northern Landscape." 207A Law Centre.

## LIMNOLOGY AND FISHERIES

### DISCUSSION GROUP

3 March, 12:30 pm

Angeline Lam, "Occurrence, Control, and Persistence of the Cyanobacterial Toxin, Microcystin-LR." G-116 Biological Sciences Centre.

## PERINATAL RESEARCH CENTRE

22 February, noon

Toshiyuki Itoi, "Energy Substrate Use in the Immature Heart." 2J4.02 Mackenzie Health Sciences Centre.

1 March, noon

Computing and Network Services, "Exploring the Internet." 2J4.02 Mackenzie Health Sciences Centre.

## PLANT SCIENCE

1 March, 12:30 pm

Peter Blenis, "Epidemiology and Management of Western Gall Rust." 1-06 Agriculture-Forestry Centre.

3 March, 12:30 pm

Dong Hua, "Function of the Role ABC Genes of *Agrobacterium Rhizogenes*." 1-06 Agriculture-Forestry Centre.

## SLAVIC AND EAST EUROPEAN STUDIES

2 March, 3:30 pm

Liudmila Kuzmitcheva, Department of History, Moscow State University, Stuart Ramsay Tompkins Visiting Professor, "Bosnia and Herzegovina: Past and Present." 436 Arts Building.

## SOCIETY OF EDMONTON DEMOGRAPHERS

23 February, noon

Alice Leung, Alberta Family and Social Services, "Illiteracy and Innumeracy in Canada and Edmonton." Wild Rose Room, Canada Place, 9700 Jasper Avenue.

## SOIL SCIENCE


3 March, 12:30 pm

Marcelo Zarate, Argentine Quaternary Geologist and Paleopedologist, "Quaternary Stratigraphy, History and Paleoclimatology of South America." 2-36 Earth Sciences Building.

## ZOOLOGY

18 February, 3:30 pm

Kostas Iatrou, University of Calgary, "Silkmoth Choriogenesis: A Paradigm for Long-Term Developmental Programmes and Regulatory Cascades Underlying Terminal Cell Differentiation." M-149 Biological Sciences Centre.

 This symbol denotes environmentally-related seminars/events. If you wish to have an environmentally-related event listed in this manner, please contact: The Environmental Research and Studies Centre, 492-6659.

## RRSP CONTRIBUTION LIMITS

Revenue Canada would have provided your 1993 RRSP contribution limit on your 1992 Notice of Assessment or Reassessment which you received when you filed your return. Your limit was determined from information you provided on your 1992 tax return. However, if you had your 1992 return manually assessed (filed your return on the T1 short form), your Pension Adjustment (PA) amended, or a Past Service Pension Adjustment (PSPA) certified subsequent to your 1992 Notice of Assessment, you should have received a separate statement from Revenue Canada. If you are unable to locate your 1993 RRSP contribution limit, or if you want Revenue Canada to confirm it, you can contact the Tax Information Phone Service (T.I.P.S.) by calling 423-4993. This service can be used if you have a touch tone phone. If you do not have this type of phone, you can get the information by calling Revenue Canada's General Enquiries line. You will be asked for your Social Insurance Number and date of birth when you call.

If you require additional information regarding the Pension Adjustment (PA) or Past Service Pension Adjustment (PSPA), call: Payroll at 492-3207 (PA) or Pension and Benefits at 492-4555 (PSPA).



# Is privatization of healthcare the answer?

**Debate: patient choice is paramount in healthcare**

By Judy Goldsand

Ruth Collins-Nakai, Associate Dean (Faculty Affairs), Faculty of Medicine, says the largest problem in the healthcare system "is that governments are in debt and people are looking for short-term answers."

On 10 February, in the first of three public dialogues on healthcare resource allocation, Dr Collins-Nakai cautioned against giving up the values that Canadians cherish in the search for solutions.

The topic, "Patient Choice is Paramount in Health Care", was debated by Dennis Modry (Medicine), a cardiovascular surgeon, and Howard Gimbel, an ophthalmologist speaking for the motion, with John Dossetor (Medicine), Director of Bioethics, and Dr Collins-Nakai opposing it. Added commentary was provided by lawyers Gerald Chipeur and Margaret Mrazek. Bruce Hogle, general manager of Sunwapta Broadcasting, served as moderator.

Dr Modry called the current system an "expensive experiment" and suggested that a better way to achieve "our egalitarian goal of healthcare for all" is to give people a greater choice of healthcare providers. He observed that "70 percent of all health problems are self-induced. Let us understand and accept that there are consequences to our actions and a price to be paid for poor health habits."

Chipeur identified the biggest problem with the current system as "the failure of our system to provide you and I with the opportunity to exercise choice and take personal responsibility for our own healthcare." Dr Gimbel asked, "Can anyone make better decisions about your health and your body than you?"

Dr Collins-Nakai contended that "even if a patient were informed, pain and illness are hardly conducive to comparative shopping."

She agrees that the system as it exists is unsustainable and that costs must be reduced. "It is good for the private sector to offer some services not fundamental to good health. The public must participate in deciding what is covered publicly and must understand what is offered privately."

The concept of the common good—where societal interests balance the interest of the individual—must be considered, said Dr Dossetor. He offered these suggestions to improve the current system:

- make prevention a higher priority than cure;
- add new access points to the system (nurses, physiotherapists);
- link hospitals to communities;
- increase home services; and,
- educate people to minimize excessive use of the system.

Some of the legal issues were clarified by Mrazek. "At present, the private sector is prevented by law from competing with what is covered under government healthcare. The argument is for increased private sector involvement to be allowed by legislation. [Those speaking for the motion] suggest that privatization will result in more money in the system, shorter waiting lines and greater efficiencies. However, if people can afford it, more money will be spent privately, not publicly, so the benefit will only go to those who can afford to pay."

Mrazek added that it is clear from the experience in Great Britain that a parallel private system reduces the quality of healthcare in the public system.

The debate, which was sponsored by the Ethics and the Crisis in Healthcare Organization (ECHO), attracted more than 300 people.

## Science Visiting Committee addressing employer expectations

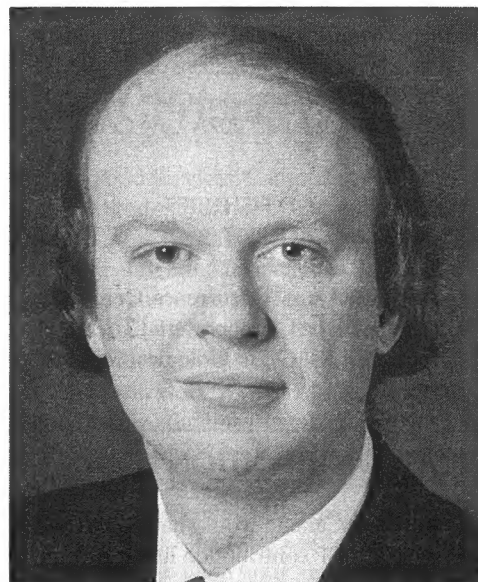
Employer expectations is the main topic of discussion at today's meeting of the Faculty of Science Visiting Committee.

The aim of the Visiting Committee Program is to bring community leaders to campus to share their experience and advice with a Faculty while learning about the Faculty's function, excellence and needs.

James Morrison, general manager of Daishowa-Marubeni International, is co-chairing the Science Visiting Committee with Dick Peter, Dean.

In another portion of the program, Dr Peter will talk about accessibility, and Advanced Education and Career Development Deputy Minister Lynne Duncan will discuss government expectations.

Visiting Committee members are: R Bailey, VP, Alberta Healthcare Association; G Bolton, manager of Business Development, Sheritt-Gordon; D Currie, managing director, Alberta Chamber of Resources; L Duncan; D Foy, president and CEO, Edmonton Power; J Holden, manager, Alberta Wheat Pool; D Johnson, VP and general manager, Western Canada Fisher Scientific Ltd; D Kenway, president, Vision Smart Inc; J Lowry, chair, Air and Waste Management Association; J Martin, executive director, FEESA; G Maureau, president, MaurOil International; J R McDougall, president, McDougall & Secord, Ltd; R Micetich, president and CEO, SynPhar Laboratories Inc; J Morrison;



James Morrison, general manager, Daishowa-Marubeni International Ltd, co-chair of the Faculty of Science 1994 Visiting Committee

R Muth, general manager, VIDEOTRON Communications Ltd; N Orr, past president, APPEGA; J Osborne, Research and Development, Dow Chemical Canada Inc; J Primrose, sportsman and businessman; R Salmon, Peat Marwick Thorne; R Schutte, consultant, Syncrude; P Stepney, director, Provincial Museum; E A Taylor, VP, Alberta-Pacific Forest Industries Inc; and D Wilson, principal, Harry Ainlay Composite High School.

## POSITIONS



*The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.*

### ACADEMIC STAFF

#### DIRECTOR, CANADIAN INSTITUTE OF UKRAINIAN STUDIES

Applications are invited for the position of Director, Canadian Institute of Ukrainian Studies (CIUS), the University of Alberta. Applicants should be recognized and active scholars in Ukrainian Studies with a strong interest in Ukrainian-Canadian Studies, and should have demonstrated administrative experience and the ability to carry on effective liaison with the Ukrainian community. The successful applicant should hold a PhD degree in an appropriate discipline. The responsibilities of the position require the Director to be fluent in Ukrainian. The appointment will be for a limited term of up to five years, starting 1 July 1994, or as soon as possible thereafter.

The Canadian Institute of Ukrainian Studies is an Interdisciplinary Research Unit, reporting to the Vice-President (Research). CIUS was established in 1976 with the following objectives:

- 1) to encourage research and publications in Ukrainian and Ukrainian-Canadian studies;
- 2) to serve as a resource centre for English-Ukrainian bilingual education;
- 3) to encourage contacts among scholars and students in Ukrainian and Ukrainian-Canadian studies through seminars and conferences.

CIUS is actively involved in outreach to the local, national, and international Ukrainian communities, and is engaged in exchange and joint projects with scholars from Ukraine. CIUS is divided into several units: CIUS Press; Stasiuk Program for the Study of Contemporary Ukraine; Ukrainian Language Education Centre; Peter Jacyk Centre for Ukrainian Historical Research; Encyclopedia of Ukraine; and Ukrainian Canadian Program.

Applications or nominations should be sent to: Dr William A Bridger, Associate Vice-President (Research), 3-12 University Hall, University of Alberta, Edmonton, Alberta

T6G 2J9. Closing date for receipt of applications is 15 March 1994.

In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.

### DEVELOPMENT OFFICER, FACULTY OF MEDICINE

**Position:** The Faculty of Medicine seeks a Development Officer to coordinate the Faculty's fundraising and public relations activities. In conjunction with the University's Development Office, the Development Officer, Faculty of Medicine, is responsible for initiating, coordinating, implementing, and evaluating fundraising and public relations programs for the Faculty of Medicine. He or she reports to the Associate Dean (Faculty Affairs), Faculty of Medicine.

**Qualifications:** The Development Officer, Faculty of Medicine, must hold at least a bachelor's degree from an accredited university and should have 2-3 years' professional work experience and/or several years in fundraising as a volunteer. He or she must possess excellent written and oral communication skills, have strong interpersonal and organizational abilities, and demonstrate a high energy level, attention to detail, word processing ability, and capacity for teamwork. Familiarity with the University of Alberta and the health sciences is a plus.

**Application Procedures:** Applicants are asked to submit a résumé accompanied by a statement which explains their interest in the Development Officer position. Review of applications will begin on 1 March 1994 and will continue until the position is filled.

Please send applications to: Dr RL Collins-Nakai, Associate Dean (Faculty Affairs), Faculty of Medicine, University of Alberta, 2J2.00 Walter C Mackenzie Health Sciences Centre, Edmonton, Alberta T6G 2R7.

### SUPPORT STAFF

To obtain information on support staff positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. You can also call the Job Information line at 492-7205 (24 hours) or consult the weekly Employment Opportunities Bulletin.

## New committee aims to upgrade classrooms

A committee has been established to improve the University of Alberta's teaching and learning environment.

The Classroom Upgrading/Instructional Facilities Committee will develop and maintain an inventory of classroom upgrading requests, evaluate and prioritize these requests, and oversee the development of standards for classrooms/instructional facilities.

The goal of the committee is to build a more effective and efficient teaching environment for faculty, and increase students' motivation in the learning environment.

Committee members say that to attain their goal, a close, interactive partnership must exist among staff, students, and the committee itself. Anyone wishing to contribute general comments on the state of instructional spaces or specific lists of deficiencies for individual rooms is encouraged to communicate with the committee. Deficiencies in seating, ventilation,

lighting and audiovisual support are of particular interest.

Comments and suggestions should be sent to: Classroom Upgrading/Instructional Facilities Committee, 420 General Services Building. Committee members may be reached through the Department of Physical Plant at 492-4261.

The committee consists of: Gary Ballash and Wayne Hansen (Planning and Development); Reuben Kaufman, Marsha Padfield and Bob Solomon (teaching representatives); Bernie Kessels and Hugh King (Office of the Registrar); Judi Ross (Technical Services); Bente Roed (University Teaching Services); and Dan Pretzlaff and Reg Savard (Physical Plant). In addition, other departmental representatives will be seconded, as necessary, when the committee deals with issues relating to their particular areas of interest.



# EVENTS

## EXHIBITIONS

### EXTENSION CENTRE GALLERY

Until 18 March

"The Poster, communication design" - an exhibition of posters featuring advertising, music, women's issues, and the environment. Gallery hours: Monday to Thursday, 8:30 am to 8 pm; Friday, 8:30 am to 4:30 pm; Saturday, 9 am to noon. Information: 492-3034. 2-54 University Extension Centre.

### FAB GALLERY

Until 20 February

"David Cantine - Colour Still Lives." Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday, Monday and statutory holidays, closed. 1-1 Fine Arts Building.

### McMULLEN GALLERY

Until 27 February

"Pluralism in Alberta Prints 1970-1985" - from the collection of the Alberta Foundation for the Arts. Curated by Bente Roed. Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm, evenings subject to availability of volunteers. Information: 492-8428 or 492-4211. Mackenzie Health Sciences Centre.

## FILMS

### GERMANIC LANGUAGES

22 February, 7:15 pm

"Der Fluch" (1988), German with English subtitles. 141 Arts Building.

## MUSIC

### DEPARTMENT OF MUSIC

20 February, 3 pm

A Benefit Faculty Recital - Marek Jablonski, piano. Admission: \$10/adults, \$5/students and seniors. Convocation Hall.

26 February, 7 pm

Northern Alberta Band Concert. Convocation Hall.

### EDMONTON CHAMBER MUSIC SOCIETY

23 February, 8 pm

"The Talich Quartet" - the complete Beethoven Quartets, Part 2. Tickets available at the door. Information: 433-4532. Convocation Hall.

## SPORTS

### HOCKEY

19 February, 7:30 pm

Bears vs Calgary. Main Gym.

### VOLLEYBALL

18 February, 6:30 pm

Pandas vs Victoria. Main Gym.

18 February, 8 pm

Bears vs Victoria. Main Gym.

19 February, 6:30 pm

Bears vs Victoria. Main Gym.

19 February, 8 pm

Pandas vs Victoria. Main Gym.

## THEATRE

### STUDIO THEATRE

Until 19 February, 8 pm

"Tis Pity She's A Whore" by John Ford. Directed by Barbara Coleman. Information and tickets: 492-2495. Myer Horowitz Theatre.

# ADS

## ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Knowledgeable, trustworthy realtor with Edmonton references will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (604) 595-3200, Lois Dutton, Re/Max ports west, Victoria, B.C.

MICHENER PARK - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. University enquiries welcome, 492-7044.

RENT - Strathearn Drive, executive two storey, fully furnished. 1 March to 31 July 1994, \$1,000/month. Jacuzzi, hardwood floors, renovated throughout. City view. Western Relocation, 434-4629.

RENT - Ottewell, renovated two storey, four bedroom with delightful sunroom off living room. Formal dining room. Yard has fruit trees, large deck. Partially or furnished. Western Relocation, 434-4629.

SALE - Charming two storey, Old Strathcona. Ron, 439-3300.

RENT - May - July, fully furnished three bedroom house 1 km south of University. Character, garden. \$850/month. 492-5731, 438-7886.

RENT SEASONAL - Two bedroom cottage in Eagle Bay, B.C. on Shuswap Lake. Sleeps five. \$600/week or \$650 with hot tub. Nonsmokers, no pets. 458-2225.

SALE - Windsor Park, overlooking Edinboro Park sits this elegant, four bedroom, two storey. Master bedroom with ensuite, fireplace, family room, large deck. \$269,800. 9239 118 Street. Joan, Re/Max Realty. 433-9025, 438-7000.

RENT - 10961 University Avenue. Four bedrooms, two bathrooms. 1 March, \$800. 479-4144.

RENT - South Garneau, five blocks University. Quiet! Lovingly renovated two bedroom home (nonsmoking). Oak flooring, contemporary gas fireplace, deck, appliances. Ultimate double garage! \$900. 439-4406.

RENT - Furnished three bedroom bungalow, Castledowns. Finished basement, double garage, two fireplaces. Possession date open and flexible. \$800 monthly. Phone 456-8864.

BED & BREAKFAST - Near University, has rooms available for short term stays.

Beautiful heritage home, daily/weekly/monthly rates. 482-1096, 439-7669.

RENT - One bedroom basement, wood-burning fireplace, garage available, King Edward Park. Also two bedroom, private entrance. Forest Heights. Call Janice Duke, 488-2331.

SALE - Belgravia, huge 1,700' semi, four bedrooms plus developed basement. Newer double garage, hardwood, south yard. \$169,000. Ed Lastiwka, Royal LePage Realty, 446-3800.

RENT - Saskatchewan Drive, rare licensed three bedroom apartment, minutes from University. Own front door, phone, garage; sauna, laundry, shared. Available to right person(s) 1 March. Dr Clayre, 424-4600 days, 439-0537 evenings.

RENT - Oliver, luxurious condominium with spectacular river valley view. One bedroom, dining/den, sunroom, underground parking. No pets. Available immediately. 454-2125.

RENT - Large, renovated two bedroom suite in duplex. Suitable for professional. Parking included. Walk to University. No pets, nonsmoker, adults only. Rent \$400 if one, \$500 if two. Georgina, 433-1479.

RENT - Furnished basement room, Southgate. \$275. View 3 March, available 5 March, female. Bed and breakfast home also. 434-6832.

SALE - Airy and luxurious view property. Close to Grandin LRT, University, elementary school, legislature. Five level split with three/four bedrooms, four baths, attached garage, not a condo. Darlene, Sutton Group, 483-4848.

SHARE - Wanted, one/two persons to share luxury townhouse, St Albert. Two bedrooms available, 2 1/2 baths, double garage. Need references. 458-4753.

## ACCOMMODATIONS WANTED

PREVIOUS HOMEOWNER, professional, available for house sitting. Long-term, April. References. 463-5848.

## GOODS FOR SALE

CASH PAID FOR APPLIANCES - 432-0272.

1984 VOLVO 240DL station wagon, 147,000 km, one owner, standard transmission. Excellent condition, \$4,500 obo. Call 492-9724 (work) or 435-7129 (residence).

## SERVICES

DONNIC WORD PROCESSING - Since 1978, specializing in theses, manuscripts, etc. 453-2769.

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DAVID RICHARDS CARPENTRY - Certified journeyman NAIT. Complete interior/exterior residential and commercial renovations including plumbing/electrical. References available. 436-6363.

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